



**TROY FIRE DEPARTMENT
ANNUAL REPORT
2010**

<u>Category</u>	<u>Count</u>	<u>Percent of Total Incidents</u>	<u>Previous Year</u>	<u>Change</u>
Total Fire Incidents	170	17.28%	156	8.97%
Total Non Fire Incidents	814	82.72%	683	19.18%
Total Incidents	984	100.00%	839	17.28%

<u>Fire Incidents</u>	<u>Count</u>	<u>Percent of Total Fires</u>	<u>Previous Year</u>	<u>Change</u>
Structure Fires	68	40.00%	74	-8.11%
Vehicle Fires	51	30.00%	38	34.21%
Grass Fires	16	9.41%	9	77.78%
Refuse Fires	25	14.71%	19	31.58%
Other Fires	10	5.88%	16	-37.50%
Total Fire Incidents	170	100.00%	156	8.97%

<u>Non Fire Incidents</u>	<u>Count</u>	<u>Percent of Total Non Fires</u>	<u>Previous Year</u>	<u>Change</u>
Overpressure/Explosion	2	0.25%	3	-33.33%
Rescues/Extrications	24	2.95%	36	-33.33%
Hazardous Conditions *	155	19.04%	103	50.49%
Public Service	21	2.58%	23	-8.70%
Good Intent **	170	20.88%	172	-1.16%
False Alarms	262	32.19%	213	23.00%
System Malfunctions	171	21.01%	130	31.54%
Weather Standby	8	0.98%	2	300.00%
Other Non Fire	1	0.12%	1	0.00%
Total Non Fire Incidents	814	100.00%	683	19.18%

* Includes spills or leaks with no fire; excess heat; arcing wires; and chemical emergencies

** Includes smoke scares; wrong locations; steam mistaken for smoke; and controlled burning



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<u>Structure Fires by Occupancy</u>	<u>Count</u>	<u>Percent of Structure Fires</u>	<u>Previous Year</u>	<u>Change</u>
Public Assembly	1	1.47%	5	-80.00%
Institutional	2	2.94%	2	0.00%
Single Family Dwelling	37	54.41%	35	5.71%
Apartments	15	22.06%	14	7.14%
Motel/Hotel	0	0.00%	4	-100.00%
Stores/Sales	1	1.47%	4	-75.00%
Office	2	2.94%	4	-50.00%
Industrial	3	4.41%	2	50.00%
Storage	1	1.47%	1	0.00%
Other	6	8.82%	3	100.00%
Total Occupancies	68		74	

<u>Structure Fire Causes</u>	<u>Count</u>	<u>Percent of Structure Fires</u>	<u>Previous Year</u>	<u>Change</u>
Intentional	4	5.88%	4	0.00%
Children Playing	1	1.47%	0	0.00%
Smoking	1	1.47%	3	-66.67%
Heating	3	4.41%	4	-25.00%
Cooking	14	20.59%	18	-22.22%
Electrical Distribution	2	2.94%	3	-33.33%
Appliances	4	5.88%	4	0.00%
Open Flame, Ember	5	7.35%	3	66.67%
Other Heat, Flame, Spark	2	2.94%	1	100.00%
Other Equipment	3	4.41%	1	200.00%
Natural	1	1.47%	1	0.00%
Undetermined	28	41.18%	12	133.33%
Total Causes	68		54	



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<u>Total Casualties</u>	<u>Number</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Civilian Injury	3	18.75%	2	50.00%
Civilian Death	0	0.00%	0	0.00%
Firefighter Injury	13	81.25%	10	30.00%
Firefighter Death	0	0.00%	0	0.00%
Total Casualties	16	100.00%	12	

<u>Total Estimated Fire Loss</u>	<u>Amount</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Structure Value *	\$90,960,680.00	100.00%	\$69,719,009.00	30.47%
Property Loss	\$3,288,183.00	3.61%	\$1,401,795.00	134.57%
Contents Loss	\$2,590,626.00	2.85%	\$1,002,560.00	158.40%
Total Loss	\$5,878,809.00	6.46%	\$2,404,355.00	144.51%
Total Endangered/Saved	\$85,081,871.00	93.54%	\$67,314,654.00	26.39%

* Value of structures/property involved

Response Time Analysis **

<u>Emergency Responses</u>	<u>Count</u>	<u>Cumulative Response</u>	<u>Percent</u>	<u>Cumulative Percent</u>
0 - 1 Minute	4	4	0.67%	0.67%
1 - 2 Minutes	4	8	0.67%	1.34%
2 - 3 Minutes	21	29	3.52%	4.86%
3 - 4 Minutes	39	68	6.54%	11.40%
4 - 5 Minutes	69	137	11.58%	22.98%
5 - 6 Minutes	96	233	16.11%	39.09%
6 - 7 Minutes	94	327	15.77%	54.86%
7 - 8 Minutes	77	404	12.92%	67.78%
8 - 9 Minutes	62	466	10.40%	78.18%
9 - 10 Minutes	50	516	8.39%	86.57%
10 + Minutes	80	596	13.42%	99.99%
Total Emergency Responses	596		60.57% of total responses	
Total Responses	984			

** Response Time Analysis as recorded by the dispatch center includes call processing time; turnout time; and travel time



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<u>Activities</u>	<u>Count</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Fire Station Service Requests	909	58.19%	834	8.99%
Fire Investigations	37	2.37%	38	-2.63%
In-Service Training Provided	473	30.28%	473	0.00%
Specialty Team Training Provided	50	3.20%	43	16.28%
Fire Academy Training Provided	93	5.95%	64	45.31%
Subtotal	1,562	100.00%	1,452	7.58%
Plans Reviewed	693	4.72%	564	22.87%
Permits Issued	414	2.82%	346	19.65%
Inspections	2,412	16.44%	2,745	-12.13%
Violations Issued	1,318	8.98%	2,174	-39.37%
Violations Cleared	686	4.67%	1,444	-52.49%
Hydrant Flow Tests Conducted	24	0.16%	23	4.35%
Public Education Programs	155	1.06%	232	-33.19%
Public Education Participants	7,313	49.84%	8,351	-12.43%
HAPIS Computer Entries	1,027	7.00%	8,365	-87.72%
Alarms Registered *	632	4.31%	N/A	N/A
Subtotal	14,674	100.00%	24,244	-39.47%
Total Activities	16,236		24,775	-34.47%

* Assumed this role from the police department in 2010.

<u>Activity Hours</u>	<u>Count</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Operations Hours **	19,904.00	77.67%	19,247.00	3.41%
Fire Prevention Hours ***	5,721.50	22.33%	7,802.97	-26.68%
Total Hours	25,625.50	100.00%	27,049.97	-23.26%

** Department Man-Hours. Includes Volunteer & Career Staff.

*** Career Staff-Hours Only



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Staffing

<u>Volunteer</u>	<u>Station 1</u>	<u>Station 2</u>	<u>Station 3</u>	<u>Station 4</u>	<u>Station 5</u>	<u>Station 6</u>	<u>Total</u>	<u>Change</u>	<u>Cumulative</u>
2006	30	30	30	25	31	30	176	0.00%	0.00%
2007	28	28	30	26	32	31	175	-0.57%	-0.57%
2008	29	30	29	24	31	32	175	0.00%	-0.57%
2009	29	27	28	24	31	25	164	-6.71%	-7.28%
2010	29	27	29	32	30	26	173	5.20%	-2.08%
<u>5 Yr. Avg.</u>	29.0	28.4	29.2	26.2	31.0	28.8	172.6	-0.42%	-2.10%
<u>2 Yr. Avg.</u>	29.0	27.0	28.5	28.0	30.5	25.5	168.5	-0.75%	-4.68%

<u>Career</u>	<u>Chief</u>	<u>Assistant Chief</u>	<u>Staff Lieutenant</u>	<u>Staff Technician</u>	<u>Total</u>	<u>Change</u>	<u>Cumulative</u>
2006	1	2	10	0	13	0.00%	0.00%
2007	1	2	9	1	13	0.00%	0.00%
2008	1	2	7	2	12	-8.33%	-8.33%
2009	1	2	6	3	12	0.00%	-8.33%
2010	1	2	6	2	11	-9.09%	-17.42%
<u>5 Yr. Avg.</u>	1.0	2.0	7.6	1.6	12.2	-3.48%	-6.82%
<u>2 Yr. Avg.</u>	1.0	2.0	6.0	2.5	11.5	-4.55%	-12.88%



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Supplemental

<u>Valid Alarm Activations</u>	<u>Count</u>	<u>Percent of Total Incidents</u>	<u>Previous Year</u>	<u>Change</u>
Cooking	19	1.93%	24	-20.83%
Fire	4	0.41%	3	33.33%
Freon Leak	2	0.20%	0	200.00%
Overheat	3	0.30%	6	-50.00%
Smoke	3	0.30%	2	50.00%
Total Valid Alarms	31	3.15%	35	-11.43%

<u>False Alarm Activations</u>	<u>Count</u>	<u>Percent of False Alarms</u>	<u>Previous Year</u>	<u>Change</u>
Unintentional	257	26.12%	193	33.16%
Malfunction	171	17.38%	131	30.53%
Other	5	0.51%	19	-73.68%
Malicious	0	0.00%	2	-100.00%
Total False Alarms	433	44.00% of Total Incidents	343	26.24%

<u>Accomplishments</u>	<u>Count</u>	<u>Cost</u>
Purchased / placed in service new pumpers.	2	\$980,536.00 Total
Purchased / placed in service new personal protective equipment with FEMA Fire Act Grant funds.	173	\$144,540.00 Total

